

Abstract

An air spring sleeve. The sleeve comprises an elastomer body having two plies. Each ply comprises a cord embedded in the elastomer body. Each cord is wound about
5 the sleeve in an opposing direction from the other and each having a helix angle. The first cord helix angle and the second cord helix angle comprise a cord differential helix angle. The first or inner cord helix angle is greater than a second or outer cord helix angle. The cord differential
10 helix angle is in the range of approximately 0° to 2.5° .